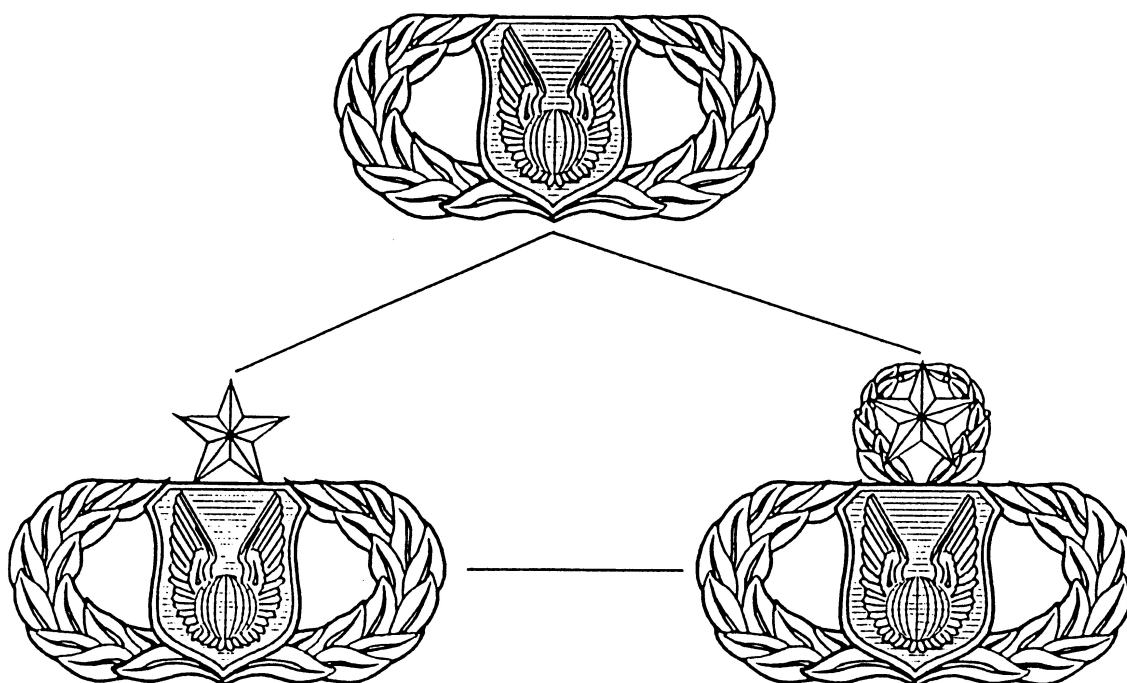


# **AFSC 1SOX1 SAFETY**



## **CAREER FIELD EDUCATION AND TRAINING PLAN**



**CAREER FIELD EDUCATION AND TRAINING PLAN  
SAFETY SPECIALTY  
AFSC 1S0X1**

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**SAFETY SPECIALTY**  
**AFSC 1S0X1**  
**CAREER FIELD EDUCATION AND TRAINING PLAN**

**Part I**

***Preface***

1. This Career Field Education and Training Plan (CFETP) is a comprehensive core training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training.

**NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training.**

2. The CFETP consists of two parts; both are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each skill level with specialty qualifications (knowledge, training, education, and experience); Section D indicates resource constraints associated with formal and on-the-job training (OJT). Some examples are funds, manpower, equipment, facilities. NOTE: AFMAN 36-2108, Airman Classification, contains the job descriptions.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training and correspondence course requirements. Section B contains the course objective list and training standards supervisors will use to determine if airmen satisfied training requirements; Section C identifies available support materials. An example is a Qualification training package (QTPs which may be developed to support proficiency training). These packages are identified in AFIND 8, *Numerical Index of Specialized Educational Training Publications*; Section D identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses; Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs; Section F identifies continuing professional development; Section G identifies career development plan.

**NOTE: Training is the same for wartime and peacetime.**

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan will enable us

to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

### ***Abbreviations/Terms Explained***

**Advanced Training (AT).** Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

**AETC Type 1 Training (Special Contract Training).** Formal training contracted with civilian industrial or educational institutions. It may be conducted at either the contractor's location or on an Air Force base. (Courses are not listed in Education and Training Course Announcements (ETCA)).

**AETC Special Training (Type 2).** Training conducted by AETC instructors, normally at an AETC base, which is often conducted as a continuation of, and sometimes concurrently with Type 1 training. Type 2 training is usually conducted for one year or less. (Courses are not listed in ETCA).

**AETC Regular Training (Type 3).** Formal training of a continuing nature, normally conducted at an AETC installation. It includes basic, lateral, advanced, and supplemental courses.

**AETC Field Technical Training (Type 4).** Special regular on site training conducted by a field training detachment (FTD) or mobile training team (MTT). Instructors for MTTs generally come from the resident school where the Air Force Specialty is trained.

**AETC Type 5 Training (Other US Government Agency Technical Training).** Training conducted by the Army, Navy, other government agencies inside or outside of the Department of Defense (DoD), or by Air Force units other than AETC training groups.

**AETC Job Site Training (Type 6).** Formal training developed by a training center or a contractor to be exported to a field location and designed to be learned without AETC course-qualified instructor expertise at the site.

**Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS).** A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP).** A comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

**Continuation Training.** Additional training exceeding requirements with emphasis on present or future duty assignments.

**Core Task.** A task Air Force career field managers (AFCFMs) identify as a minimum qualification requirement within an Air Force specialty or duty position.

**Enlisted Specialty Training (EST).** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

**Exportable Training.** Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

**Initial Skills Training.** A formal school course that results in award of a 3-skill level AFSC.

**Instructional System Development (ISD).** A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge and skills essential for successful job performance.

**Occupational Survey Report (OSR).** A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

**On-the-Job Training (OJT).** A delivery method used to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training. It is hands-on, over-the-shoulder training conducted at the duty location.

**Qualification Training (QT).** Actual hands-on task performance-based training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills training required to do the job.

**Qualification Training Package (QTP).** An instructional package used to support unit level OJT. It may be printed, computer-based, or in other audiovisual media.

**Resource Constraints.** Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being delivered.

**Skills Training.** A formal course which results in the award of a skill level.

**Specialty Training.** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill-level of a specialty.

**Specialty Training Standard (STS).** An Air Force publication that describes an Air Force specialty in terms of tasks and knowledge which an airman in that specialty may be expected to perform or to know on the job. It further serves as a contract between AETC and the functional

user to show which of the overall training requirements for an Air Force specialty code (AFSC) are taught in formal schools and correspondence courses.

**Standard.** A fixed quantity, quality or level of performance an individual is expected to demonstrate.

**Total Force.** All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

**Upgrade Training (UGT).** Mandatory training that leads to the award of a higher skill level.

**Utilization & Training Workshop (U&TW).** A forum of MAJCOM functional managers, an Air Force career field manager, Subject Matter Experts (SMEs), and AETC training personnel who determine career field training requirements.



## ***Section A - General Information***

**1. Purpose.** This CFETP provides information necessary for Air Force Career Field Managers (AFCFMs), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines training individuals must receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and continuation training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Continuation training provides additional training that exceeds minimum requirements with emphasis on present or future duty assignments. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes; some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. It is used to help supervisors identify training at the appropriate points in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in this specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty and identifies sources of training.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training program.

**2. Uses.** This plan will be used by all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by users and documented in Part II of the CFETP. They will also work with the AFCFM to develop procurement and acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS must be identified for inclusion in this plan and must not duplicate existing training.

2.3. Each individual will complete the mandatory requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval.** The AFCFM is the certifying authority; HQ AFPC/DPPAT is the approval authority. MAJCOM representatives and AETC training managers will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

## ***Section B - Career Progression and Information***

### **4. Specialty Descriptions**

**4.1. Specialty Summary:** Manages and conducts safety programs. Plans, organizes, directs, and controls safety activities. Analyzes mishap causes and trends, and assesses risk. Evaluates, inspects, and surveys areas and activities to eliminate mishap potentials. Conducts mishap investigations. Provides risk management consultation. Conducts safety education.

#### **4.2. Duties and responsibilities:**

**4.2.1.** Plans, organizes, and directs safety activities. Develops policies and procedures for implementing and evaluating safety programs. Coordinates with staff activities and operational sections to ensure safety requirements are integrated into the organization program. Maintains close liaison with federal, state, municipal, and private agencies sharing common safety concerns. Establishes work priorities and maintains systems to effect accomplishment of program processes. Arranges for group meetings or individual instruction through coordination with commanders and supervisors.

**4.2.2.** Conducts and assists in managing safety programs. Evaluates safety program effectiveness. Coordinates with agencies and staff activities on safety related matters. Prepares and conducts briefings, meetings, training classes, and associated functions. Determines safety education requirements for groups or individuals. Develops training plans to ensure worker qualification and training. Prepares and conducts training programs for collateral duty safety personnel.

**4.2.3.** Performs inspections, surveys, assessments, and program evaluations of areas and operations to identify mishap potentials and assess integration of risk management approach, safety equipment, and procedures. Performs periodic and special inspections of facilities, flightlines, maintenance, and industrial areas; missile launch complexes and support functions; munitions facilities and operations; and non-industrial and recreational areas, including child care programs. Reports findings, assigns risk assessment codes, recommends corrective actions, and conducts follow-up inspections. Participates in Hazardous Communication, Environmental Compliance Assessment Management Program, and other environmental programs. Reviews explosives quantity distance waivers and deviations, and processes hazardous air traffic reports.

**4.2.4.** Reviews purchase, service, and construction contracts. Prepares safety criteria. Reviews contract proposals, statements of work, local purchase orders, and work requests for inclusion of safety criteria. Participates in workload planning and pre-construction conferences, pre and post award meetings, and pre and final inspections.

**4.2.5.** Reviews engineering plans and drawings. Reviews base master plans and site plans affecting construction, airfield and explosive safety criteria. Recommends revision in drawing or rearranging materials.

4.2.6. Performs and assists in mishap investigations, prepares reports, and maintains records. Gathers factual mishap data, identifies causes, and recommends corrective actions to prevent recurrence of a similar mishap. Maintains a follow-up system.

4.2.7. Analyzes mishap data. Performs trend analysis and recommends measures to correct unfavorable conditions or procedures.

4.2.8. Provides safety consultation to commanders, supervisors, and functional managers on technical directives, safety criteria, and operational techniques.

4.2.9. Conducts safety education. Performs or assists in planning and scheduling safety education programs. Prepares or assists in preparing and distributing safety promotional and informative materials.

**5. Skill/Career Progression.** Quality training and timely progression from the apprentice to the superintendent skill level plays an extremely important role in the Air Force's ability to accomplish its mission. Everyone involved in training must do their part to plan, develop, and manage an effective training program. This part of the CFETP provides guidance to ensure individuals receive viable training at appropriate points in their career. The following narrative identifies an individual's career training path and requirements. Individual must be an E-5 or E-5 selectee to lateral into this career field.

**5.1. Apprentice (3-Skill) Level Training:** Initial skills training in the Safety specialty consists of task and knowledge training provided in the resident course. Task and knowledge training requirements are identified in STS 1S0X1, which is included in Part II, Section A.

**5.2. Journeyman (5-Skill) Level Training:** Upgrade training to the 5-skill level in the Safety Specialty consists of task and knowledge training provided in the Career Development Course (CDC) and appropriate OJT. To be awarded AFSC 1S051 an individual must complete CDC 1S051, Safety Journeyman and all mandatory task qualification upgrade requirements. Qualification training is utilized based on an individual's duty position or specific training needs. Continuation training is available upon award of the 5-skill level and is listed, but not limited to, the training in Part II, Section D.

**5.3. Craftsman (7-Skill) Level Training:** Upgrade training to the 7-skill level in the Safety Specialty consists of all mandatory task qualification upgrade requirements and knowledge training provided in OJT, and the Safety Craftsman (7-level) course. To be awarded the AFSC 1S071 an individual must complete the task qualification requirements, MAJCOM/unit requirements, and the mandatory resident 7-skill level course. Qualification training is utilized based on an individual's duty position. Again, continuation training is available, but not limited to the training in Part II, Section D.

**5.4. Superintendent (9-Skill) Level Training:** A 9-skill level is awarded to all Senior Master Sergeants.

**6. Training Decisions.** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Safety career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made at the career field Utilization and Training Workshop (U&TW) held at Lackland AFB, TX, 15-18 May 2001.

**6.1. 3-Level Initial Skills Training:** Upon completion of the Apprentice Safety course, conducted at the training center, students will be awarded the 3-skill level.

**6.2. 5-Level Upgrade Training:** This is the second step in the training structure of the 1S0X1 career field. The objective is to fully qualify 5-levels to perform tasks without supervision in the following time line.

6.2.1. Training will begin after mandatory completion of the 3-level resident course.

6.2.2. The CDC will be completed within 12 months of enrollment.

6.2.3. Completion of unit directed and core task training identified in the STS/AFJQS.

**6.3. 7-Level Upgrade Training:** Timely progression to the 7-level is critical to meet mission requirements.

6.3.1. The trainee must complete core tasks identified in the STS/AFJQS.

6.3.2. The trainee must complete the 7-level Safety Craftsman course. The in-residence course will not be scheduled until the individual completes all task qualification, and the supervisor determines that the individual is ready for upgrade.

**6.4. Proficiency Training.** Proficiency training is critical to the development of the Safety Professional and the "Mission." The proficiency training program provides additional advanced training exceeding the minimum upgrade training requirements with the emphasis on present and future duty positions. **Continued professional development does not cease once upgrade is complete.** Recommended courses are identified in Part II, section F, Career Development Plan.

6.5. Safety managers will ensure their OJT program complies with the requirements outlined in AFI 36-2201.

**7. Community College of the Air Force.** Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Science Degree. In addition to its associates degree program, CCAF offers the following:

**7.1. Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels. Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. **Aerospace Management Certificate.** The college awards the Aerospace Management Certificate to airmen who have completed job-related advanced resident technical training and professional military education and who possess the 7-skill level.

7.4. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education.....	4
General Education.....	15
Program Elective.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total.....	64

7.5. **Technical Education** (24 Semester Hours): A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective subjects/courses. Requests to substitute subjects/courses must be approved in advance.

7.5.1. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.5.2. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.5.3. **General Education** (15 Semester Hours): Applicable courses must meet the Criteria for Application of Courses to the General Education Requirement (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.5.4. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied.

7.6. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

**8. Career Field Path.** The following tables and figures depict the 1S0 career field manpower distribution and career field path. Figures 1-4 complement the data contained in table 8.2; showing formal training requirements upon lateral into the Safety career field through upgrade to the 9-level.

<b>Table 8.1 Manpower Authorizations (May 01)</b>					
<b>COMMAND/UNIT</b>	<b>CMSgt</b>	<b>SMSgt</b>	<b>MSgt</b>	<b>TSgt</b>	<b>SSgt</b>
ACC	2	7	16	25	49
AETC	1	6	7	15	31
AFELM	0	1	0	0	0
AFMC	0	2	1	9	12
AFOTEC	0	0	2	0	0
AFSC	1	2	1	0	0
AFSOC	1	0	3	4	4
AFSPC	1	3	4	12	12
AFTAC	0	0	1	0	0
Air Weather	0	0	0	1	0
AMC	1	2	10	21	24
DISA	0	0	0	1	0
HQ 111th	0	0	1	1	1
HQ USAF	1	0	0	0	0
PACAF	1	8	6	13	12
USAFE	1	3	10	11	15
Total	10	34	62	113	160

## 8.2. Enlisted Career Path.

<b>Table 8.2 Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>GRADE REQUIREMENTS</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training school</b>				
<b>Apprentice Technical School</b> (3-Skill Level)	SSgt			
<b>Upgrade To Journeyman</b> (5-Skill Level) - Minimum 15 months on-the-job training (9 Months for retrainees) - Complete appropriate CDC	SSgt			20 Years
<b>Upgrade To Craftsman</b> (7-Skill Level) - Minimum rank of SSgt - 12 months OJT - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
	<b><u>Certifier</u></b> - Possess at least a 7-skill level in the same AFSC, if possible but not required. - Attend AFTC and appointed by Commander. - Be a person other than the trainer.			
<b>Noncommissioned Officer Academy</b> (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	22 Years
	MSgt	16 years	8 years	24 Years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a MSgt or SMSgt. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
<b>Upgrade To Superintendent</b> (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

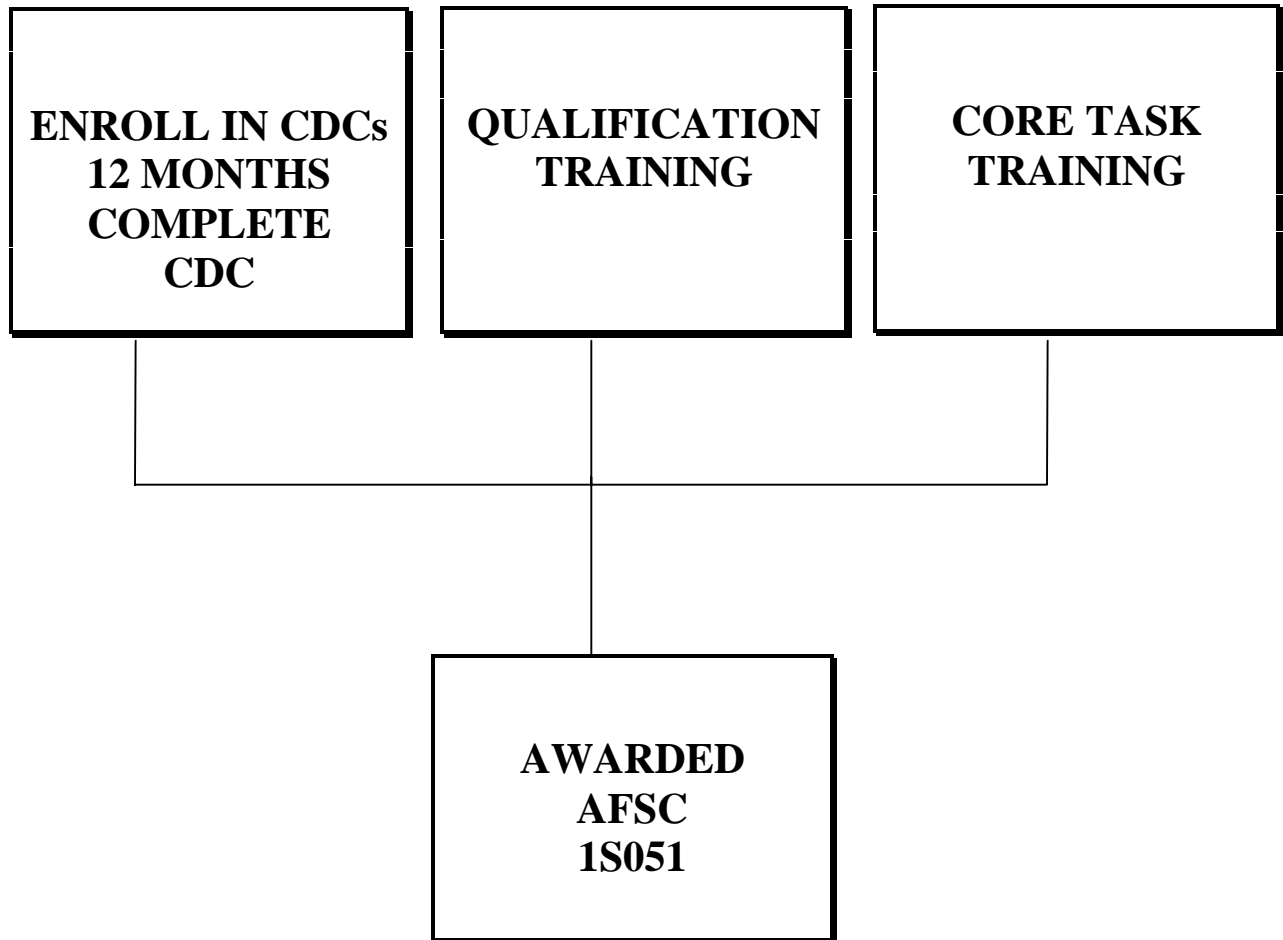


## **CAREER DEVELOPMENT FLOW CHART 3-SKILL LEVEL**



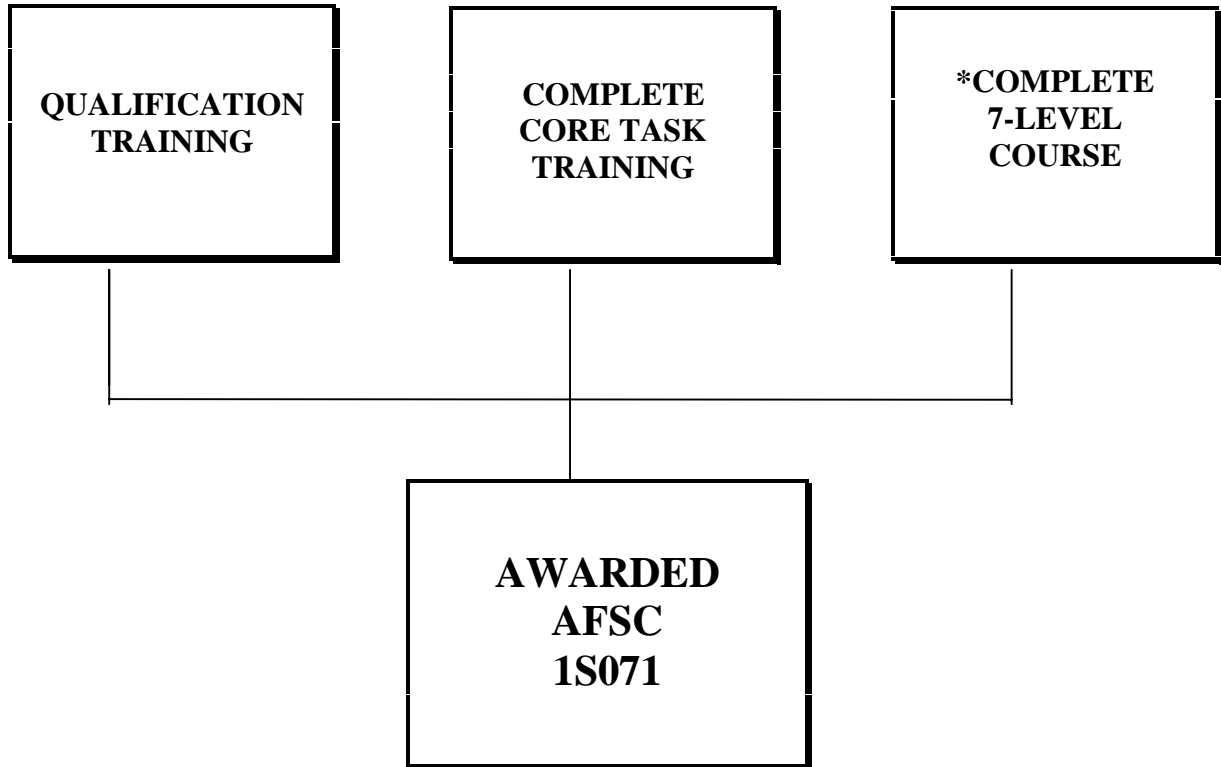
**Figure 1**

## **CAREER DEVELOPMENT FLOW CHART 5-SKILL LEVEL**



**Figure 2**

## **CAREER DEVELOPMENT FLOW CHART 7-SKILL LEVEL**

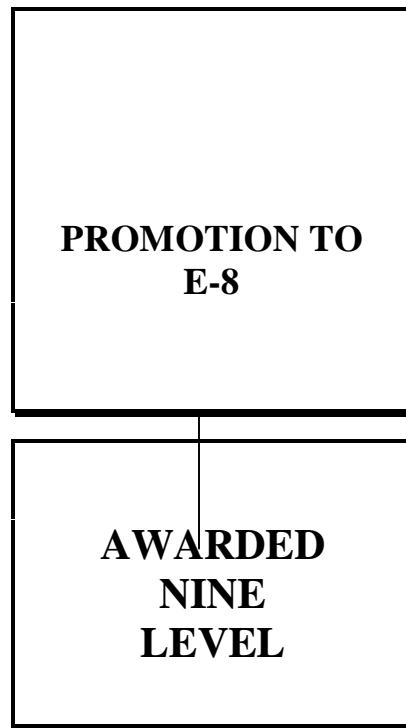


**\* 12 months minimum time in OJT**

**\*Completion of core tasks and supervisor recommendation**

**Figure 3**

## **CAREER DEVELOPMENT FLOW CHART 9-SKILL LEVEL**



**Figure 4**

### ***Section C - Skill Training Requirements.***

**9. Purpose.** Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Section A of this CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

## **10. Specialty Qualification:**

### **10.1. Apprentice Level Training:**

**10.1.1. Qualifications and Knowledge.** To perform duties at the 3-skill level, an individual must have knowledge of: Safety education fundamentals, public speaking, mishap prevention, human factors, industrial hygiene principles, industrial safety criteria, blueprint interpretations, mishap investigation techniques, training principles, risk management, maintenance and servicing techniques, and application of data automation to the safety function.

**10.1.2. Training Sources.** The Safety Apprentice course, L3ALR1S031 002, PDS Code U7W, provides the initial skills knowledge and performance training required for award of the 3-skill level.

**10.1.3. Implementation.** Entry into training is accomplished by approved retraining from any AFSC as an E-5 or E-5 selectee. Other requirements include: normal color vision as defined in AFI 48-143; qualification to operate a government vehicle according to AFI 24-301; ability to speak distinctly; ability to write effectively; and an AFQT score of 53 or higher. Completion of the initial skills Safety course, L3ALR1S031 002, PDS Code U7W, awards the 3-skill level.

### **10.2. Journeyman Level Training:**

**10.2.1. Qualifications and Knowledge.** In addition to the 3-skill level qualification, an individual must possess the knowledge and skills necessary to conduct and assist in conducting several functions of the safety career field. A 5-skill level must be task qualified on inspecting facilities and operations, conducting safety education training, performing mishap investigations, reviewing OIs, directives, and other safety related documents, and providing safety staff consultation and assistance to functional managers and supervisors.

**10.2.2. Training Sources.** The 5-skill level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

**10.2.3. Implementation.** Training to the 5-skill level is performed by the unit, utilizing STS/AFJQS, CDCs, and exportable courses. Upgrade to the 5-skill level requires completion of the 1S051 Safety Journeyman CDCs.

### **10.3. Craftsman Level Training:**

**10.3.1. Qualifications and Knowledge.** An individual must have knowledge of management techniques, program planning, methods and procedures applicable to safety studies, computation and evaluation of mishap statistics, training principles and methods, mishap investigative techniques, risk management techniques, and hazard abatement.

10.3.2. **Training Sources.** Completion of the L3ACR1S071 000, Safety Craftsman course taught at Lackland AFB, TX is mandatory. Completion of a mishap investigation course is strongly encouraged.

10.3.3. **Implementation.** Upgrade to the 7-skill level will require completion of all core tasks, any mandatory exportable training, 6 months OJT, and completion of the 7-skill level AFSC awarding course.

#### 10.4. **Superintendent Level Training:**

10.4.1. **Qualifications and Knowledge.** In addition to 7-skill level qualifications, an individual must possess advanced skills and knowledge of policies and procedures pertaining to safety activities, educational processes necessary to promote effective safety programs, production methods, military training requirements, and management concepts and principles. Experience planning and directing safety activities is mandatory.

10.4.2. **Training Sources.** Unit OJT will be used for training.

10.4.3. **Implementation.** The 9-skill level will be awarded upon promotion to SMSgt.

## ***Section D - Resource Constraints***

**11. Purpose.** This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

### **12. Apprentice Level Training:**

12.1. Constraints. There are no identified 3-skill level training constraints.

12.1.1. Impact. N/A

12.1.2. Resources Required. All required resources are on-hand at the Lackland AFB TX technical school.

12.1.3. Action Required. N/A

12.2. OPR/Target Completion Date. The OPR is 344TRS/USDA, 950 Voyager Drive, Lackland AFB TX 78236-5724. The 3-skill level course will be revised to meet requirements of this CFETP. Implementation is scheduled for Oct 01.

### **13. Five Level Training:**

13.1. Constraints. There are no identified training constraints for development of the 5-skill level Career Development Course (CDC).

13.1.1. Impact. N/A

13.1.2. Resources Required. N/A

13.1.3. Action Required. N/A

13.2. OPR/Target Completion Date. The OPR is 344TRS/USDA, 950 Voyager Dr, Lackland AFB TX 78236-5724. ECD for the supplemented 5-level CDC is Apr 02.

### **14. Seven Level Training:**

14.1. Constraints. N/A.

14.1.1. Impact. N/A.

14.1.2. Resources Required. To be determined.

14.1.3. Action Required. Develop Course Resource Estimate.

14.2. OPR/Target Completion Date. The OPR is 344TRS/USDA, 950 Voyager Dr, Lackland AFB TX 78236-5724. Implementation is scheduled for Oct 01.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

TIMOTHY A. PEPPE  
Major General, USAF  
Chief of Safety



## Part II

### *Section A - Specialty Training Standard*

#### SAFETY APPRENTICE/JOURNEYMAN/CRAFTSMAN (1S0X1)

**1. Implementation.** The implementation of this STS for technical training provided by Air Education and Training Command is with the 3-level class beginning FY02/1 and the 7-level craftsman class beginning FY02/2.

**2. Purpose.** As prescribed in AFI 36-2201, this STS:

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. Column 3 identifies, by a double asterisk (\*\*), specialty-wide training requirements (core tasks) requirements.

2.2. Provides certification for OJT. Column 4 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date. *(As a minimum, use the following column designators: Tng Comp, Certifier Initials).*

2.3. Shows formal training and correspondence course requirements. Columns 2a and 2c show the level to which task/knowledge training has been accomplished by the Training Center for 1S031 and 1S071 courses respectively, as described in ETCA. When two codes are used in columns 2a and 2c, the first code is the established requirement for resident training on the tasks/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. Indicates in column 2b the career knowledge provided in CDC 1S051. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDCs. Identifies in column 2d exportable/supplemental courses, as applicable, that will be used to enhance student knowledge during 5-level continuation training and prior to attending the formal 7-level course. Identifies in columns 3a and 3b minimum core task training requirements for award of AFSCs 1S051 and 1S071 respectively. MAJCOM 1S0 functional managers have waiver authority for core tasks identified in this plan. The approved waiver will be maintained in the individual's training record (AF Form 623). Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. Certification is accomplished as outlined in AFI 36-2202.

2.4. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.5. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-the-Job-Training**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

**2.5.1. Documentation.** Document and certify completion of training. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part II of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM. **NOTE:** The AFCFM may supplement these minimum documentation procedures as needed or deemed necessary for their Career Field.

**2.5.1.1. Converting from Existing to New CFETP.** Use the new CFETP to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter certifier's initials and trainee's initials. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion dates. If and when these tasks become a duty position requirement, recertify with current date, certifier's initials and trainee's initials.

**2.5.1.2. Documenting Career Knowledge.** When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFMAN 36-2108. For two-time CDC course exam failures: supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. **NOTE:** Career knowledge must be documented prior to submitting a CDC waiver.

**2.5.1.3. Decertification and Recertification.** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

**2.5.2. Training Standard.** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

**2.6. Specialty Training Standard (STS).** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Senior NCOs with extensive practical experience in their career fields develops Specialty Knowledge Tests (SKTs) at the USAF Occupational Measurement Squadron. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2605, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserves.

**3. Recommendations.** Report unsatisfactory performance of individual course graduates to the 37 TRG/DOS, 1000 Mercury Drive, Lackland AFB TX 78236-5724. Reference specific STS

paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have been over- or under-trained on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, Defense Switching Network (DSN) 473-2917, anytime day or night.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

TIMOTHY A. PEPPE  
Major General, USAF  
Chief of Safety

2 Attachments

1. Proficiency Code Key
2. Qualitative Requirements

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Supersedes CFETP 1S0X1, Parts I and II, 15 Jan 99

<i>THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY</i>		
<b>NAME OF TRAINEE</b>		
PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	INITIALS (WRITTEN)	SSAN
<b>PRINTED NAME OF CERTIFYING OFFICIAL AND WRITTEN INITIALS</b>		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

### QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The individual
<b>TASK PERFORMANCE LEVELS</b>	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs help only on the hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs help only on the hardest parts. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)
<b>*TASK KNOWLEDGE LEVELS</b>	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step-by-step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (ADVANCED THEORY)
<b>**SUBJECT KNOWLEDGE LEVEL</b>	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)
<p style="text-align: center;"><b>EXPLANATIONS</b></p> <p>* A task knowledge scale value may be used alone or with task performance scale value to define a level of knowledge for a specific task. (Examples: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.</p> <p>X This mark is used alone in course columns to show that training is required but not given due to limitations in resources.</p> <p># This mark is used to indicate automation may be used to aid in reaching the objective.</p>		

1.	2.				3.		4.				
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
1. SAFETY CAREER FIELD ORIENTATION: TR: AFIs 36-601, 91-202; AFMAN 36-2108 & AFD 91-2	A	-	-								
1.1 Military											
1.2 Civilian											
1.3 AFSC Duties											
2. SECURITY TR: DOD 5200.1R & AFI 10-1101		-	-								
2.1 Communications Security (COMSEC)	-										
2.1.1 Classify information											
2.1.2 Prevent security violations											
2.1.3 Use MAJCOM/FOA EEFIs											
2.2 Operations Security (OPSEC)											
2.2.1 Definition of OPSEC	-										
2.2.2 History of OPSEC	-										
2.2.3 Common OPSEC vulnerabilities	-										
2.2.4 OPSEC significance of unclassified data	-										
2.2.5 Specific OPSEC vulnerabilities of AFSC ISOX1	A										
3 SUPERVISION TR: AFI 36-2202, 36-2503, 36-2701, 36-2705, 36-2706, 36-2907 36-3401, 91-202, 91-207, 91-301; AFMAN 36-2108 & AFMS 106A											
3.1 Orient new personnel	-	-	-								
3.2 Establish	-	-	-								
3.2.1 Work method											
3.2.2 Controls											
3.3 Plan work assignments and priorities	-	-	-			**					
3.4 Schedule work assignments	-	-	-			**					
3.5 Assign personnel to work team/areas	-	-	-			**					
3.6 Evaluate work performance of subordinate personnel	-	-	-			**					
3.7 Resolve technical problems for subordinate personnel	-	-	-								
3.8 Counsel personnel and resolve individual problems	-	-	-								
3.9 Initiate action to correct sub- standard performance by personnel	-	-	-								
3.10 Safety Manpower	A	B	C			**					
4 TRAINING TR: AFI 36-2108, 36-2201, 91-202 & ETCA	-		-								
4.1 Evaluate personnel to determine need for training		A				**					
4.2 Plan and supervise OJT											
4.2.1 Prepare job qualification standards		A				**					
4.2.2 Conduct Training		A				**					

1.	2.				3.		4.				
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
4.2.3 Counsel trainees on their progress		-				**					
4.2.4 Monitor effectiveness of training											
4.2.4.1 Career knowledge upgrade		A				**					
4.2.4.2 Qualification		A				**					
4.3 Maintain training records		-				**					
4.4 Evaluate effectiveness of training programs		A									
4.5 Recommend personnel for Training		A									
5 PUBLICATIONS TR: AFINDs 2, 4, 9, 17; AFMAN 33-360 V1; AFPD 21-3; TOs 00-5-1, 00-5-2; Technical Orders as required; AFOSH Standards; National Safety Council Publications (NSC); National Electrical Codes; National Fire Protection Association (NFPA) publications & 29 Code of Federal Regulations (CFR)		-	-								
5.1 Publication Systems	A										
5.2 Locate information in standard and technical publications	2b				**						
5.2.1 Air Force directives											
5.2.2 AFOSH Standard											
5.2.3 Technical Orders											
5.2.4 Allowance Standards											
5.3 Locate information in non-Air Force publications	2b				**						
5.3.1 OSHA Standards											
5.3.2 NFPA Standards											
5.3.3 Consensus Standards											
6 SAFETY EDUCATION AND TRAINING TR: AFIs 91-202, 91-207, 91-301; AFMAN 36- 2236; AETCI 36-2203 & NSC Communications for the Safety Professional		-	-								
6.1 Identify speaker fundamentals	B										
6.1.1 Principles of Learning											
6.1.2 Methods of Presentation											
6.1.3 Visual Aids											
6.2 Conduct Safety Presentations	2b				**						
6.3 Conduct Supervisors Safety Training	b				**						
6.4 Evaluate Non-Supervisor/Job Safety Training	B										
6.5 Conduct Specialized Staff Training	-										
6.6 Unit Safety Representative Training	A				**						
6.7 Conduct Traffic Safety Courses	b				**						

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. FORMAL TRAINING				3. CORE TASKS		4. OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
7 HE USAF MISHAP PREVENTION & OCCUPATIONAL SAFETY, FIRE PREVENTION, AND HEALTH (AFOSH) PROGRAM TR: AFIND 17, AFIs 10-402, 10-403, 25-201, 32-1123, 32-4001, 32-7005, 34-217, 36-2833, 63-124, 64-109, 90-09, 90-901, 91-202, 91-204, 91-207, 91-301, 91-302, 99-102; T and Q, AFMAN 10-401V1, 28-626, 33-360 V1, 88-3, 91-201, AFPAM 90-902, 91-210, 91-216; WAR AND MOBILIZATION PLAN (WMP), VOLI, ANNEX FF, Modern Accident; AFPD 91-2, Investigation and Analysis, An Executive Guide, Ted S. Ferry; Occupational Safety Management and Engineering, Willie Hammer; Accident Prevention for Industrial Operations, NSC; Industrial Accident, ADA references Prevention, Heinrich; Industrial Safety, Blake; NSC Safety Management, Simonds & Grimaldi; Safety Management: A Human Approach, Dan Petersen; Techniques of Safety Management, DOE/SSDC Guides as required; Motorcycle Safety Foundation (MSF) publications as required; ADA; Federal & Defense Acquisition Regulations (FAR/DAR) as required											
7.1 Program Contents	B										
7.1.1 Principles and concepts		B	-								
7.1.2 Program responsibilities		B	-								
7.1.3 Prevention responsibilities		B	-								
7.1.4 Trend analysis		B	3c		**						
7.2 Perform operational risk management (ORM)	b	B	-		**						
7.3 Perform job safety analysis (JSA)	b	B	-		**						
7.4 Perform operational hazard analysis (OHA)	b	B	-								
7.5 Safety Elements	B		-								
7.5.1 Awards, incentives, and recognition		-									
7.5.2 Consult with other agencies		B			**						
7.5.3 Educational/Promotional Materials		B			**						
7.6 Mishap notification, response, and reporting procedure	B	B	-		**						
7.7 Review support agreements	b	B	3c		**						
7.8 Prepare annexes for contingencies	b	B	3c		**						
7.9 Evaluate for inclusion of safety criteria:											
7.9.1 Plans	B										
7.9.1.1 Operations		B	-								
7.9.1.2 Deployment		B	c								
7.9.1.3 Aircraft Parking		B	2b								
7.9.1.4 Site Plans		B	2b								
7.9.1.5 Test and Evaluations		-	-								
7.9.1.6 Base Comprehensive Plans		B	C								
7.9.1.7 Readiness Training		-	-								
7.9.2 Drawings, Blue Prints, and Specifications	B	B	3c			**					
7.9.3 Products	B	-	-								

1.	2.				3.	4.						
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION					
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT	
7.9.3.1 Publications	B	B	C		**							
7.9.3.2 Procedures												
7.10 Contract Safety												
7.10.1 Contracting Office & Civil Engineering												
7.10.2 Request For Proposal (RFP)												
7.10.2.1 Service Contracts												**
7.10.2.2 Construction Contracts												**
7.10.2.3 Local Purchase Contracts												**
7.10.3 Safety Annexes												**
7.10.4 Pre-Award Survey												
7.10.5 Pre-Construction Conferences	B	B	C		**							
7.10.6 Pre-Final & Final Inspection												
7.10.7 Contractor Surveillance												
7.11 Hazard Abatement												
7.11.1 Hazard identification methods											**	
7.11.2 Hazards											**	
7.11.3 Risk Assessment Codes (RAC)											**	
7.11.4 Hazard control methods											**	
7.11.5 Abatement Priority Number (APN)											**	
7.11.6 Interim control measures											**	
7.11.7 Hazard Abatement measures	b	-	3c		**							
7.11.8 Abatement Funding												
7.12 Safety Councils and Committees												
7.12.1 Write Agenda											**	
7.12.2 Conduct Meetings											**	
7.12.3 Write minutes											**	
7.12.4 Follow-up on open items											**	
8 SAFETY INSPECTIONS, ASSESSMENTS, AND STAFF ASSISTANCE VISITS TR: AFIs 13-212, 32-7086 and other 32 series, 34 series, 48 series, 36-2226, 91-202, 91-207, 91-301, 91-302; AFMAN 24-206, 91-201; TOs 21 series as required 00-25-172, 00-25-223, 32-1-2, 32-1-101, 34-1-3, 35-1-3, 42C2-1-7, 4T-1-3; AFOSH Standards; EM 385-1-1 Corp of Engineers; 29 CFR 1910/26; DOD 4145.9-R-1; Accident Prevention Manual For Industrial Operations, NSC, Fundamentals of Industrial Hygiene, NSC, current edition; Assurance Systems, William Johnson; NFPA; National Electrical Code, current edition; Material Safety Data Sheets as required; DOE/SSDC Guides as required; CPSC Handbook for Public Playground Safety												
8.1 Objectives	B	B	-									
8.2 Methodology; preparation & frequency	B		-									
8.2.1 Inspections		B			**							
8.2.2 Evaluations		B										



1.	2.				3.		4.				
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
8.2.3 Assessments		B			**						
8.2.4 Staff assistance visits		B			**						
8.3 Identify General Safety Criteria:	B										
8.3.1 Physical Hazards		B	-		**						
8.3.2 Environmental Compliance		B	-		**						
8.3.3 Personal Protective Equipment (PPE)		B	-		**						
8.3.4 Chemical Hazards/Factors		B	-		**						
8.3.5 Hand/Power Tool Hazards/Factors		B	-		**						
8.3.6 Electrical Safety Consideration		B	-		**						
8.3.7 Fire Prevention		B	-		**						
8.3.8 Color Coding		B	-		**						
8.3.9 Machine Guarding Considerations		B	-		**						
8.3.10 Scaffolding and Ladders		B	-		**						
8.3.11 Excavation and Trenching		B	-		**						
8.3.12 Lifting Devices		B	-		**						
8.3.13 Ergonomics		-	B		**						
8.3.14 Materials Handling: Manual		B	-		**						
8.3.15 Materials Handling: Mechanical		B	-		**						
8.3.16 Fall Protection		B	-		**						
8.4 Inspect Industrial Areas/Facilities											
8.4.1 Vehicle maintenance/ transportation shops	b	B	-		**						
8.4.2 Aircraft maintenance hangars and shops	b	B	-		**						
8.4.3 Civil Engineering:	b		-								
8.4.3.1 Shops		B			**						
8.4.3.2 Facilities		B			**						
8.4.3.3 Work Sites		B			**						
8.4.3.4 Construction Sites		B			**						
8.4.4 Confined Spaces	b	B	C		**	**					
8.4.5 Warehousing Facilities	b	B	-		**						
8.4.6 Chemical/hazardous material storage areas	b	B	C		**	**					
8.4.7 Communications /electronics facilities	b	B	-		**						
8.4.8 Lock-out/Tag-out Procedures	b	B	C		**						
8.4.9 POL areas/facilities	b	B	-		**						
8.4.10 Medical facilities	b	B	-		**						
8.4.11 Dining facilities/open messes	b	B	-		**						
8.4.12 Commissary	b	-	-		**						
8.4.13 Recreational facilities/areas	b	B	-		**						
8.4.14 Missile maintenance/launch/ support facilities & equipment	b	B	-								
8.4.15 Munitions storage/maintenance & handling	b	B	-		**						

1.	2.				3.		4.				
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
8.4.16 Ranges	b		-								
8.4.16.1 Combat arms		B			**						
8.4.16.2 Weapons		B			**						
8.4.17 Armories	b	B	-		**						
8.4.18 Aero Club operations	b	-	-								
8.5 Inspect non-industrial areas/facilities	b	-	-								
8.5.1 Administrative					**						
8.5.2 Family day care homes					**						
8.5.3 Billeting					**						
8.5.4 Membership clubs					**						
8.5.5 Public Assembly Areas					**						
8.5.6 Playgrounds											
8.6 Prepare/Perform			-								
8.6.1 Checklist	2b	B			**						
8.6.2 Inspection	2b	B			**						
8.6.3 Report	2b	B			**						
8.6.4 Post report activities	b	B			**						
9 TRAFFIC SAFETY PROGRAMS TR: AFIs 91-204, 91-207,91-301; TO 36A-1-6; AFOSH STD 127-46; Motorcycle Safety foundation (MSF) publications as required; Motor Fleet Manual, CFR 29, 49, NSC; Manual on Uniform Traffic Control Devices as required (ANSI D6.1-1978)	B		-								
9.1 Vehicle safety programs (on/off duty)											
9.1.1 On-road		B									
9.1.2 Off-road		B									
9.1.3 Industrial		B									
9.2 Vehicle restraint device awareness programs		B									
9.3 Traffic Engineering Surveys and Studies		B									
10 INSPECT AIRCRAFT OPERATIONS AND MAINTENANCE TR: AFIs 11-218, AFI 21 series as required, AFI 24 series as required, 24-204, AFI 32series as required, 91-202, 91-204, 91- 207; AFM 88 series as required, AFMAN 91-201, AFM 161-30, Vol II; AFP 71-8; TO1-1-3; TO11A-1-33; TO4T-1-3; TO00-25-172; TO36M-1-141; TOs of aircraft as required; AFOSH Standards; National Electrical Code; NFPA Applicable -9 TOs			-								
10.1 Aircraft Movement	b										
10.1.1 Towing		B			**						
10.1.2 Marshalling		B			**						
10.1.3 Taxiing		B			**						
10.1.4 Launching and Recovering		B			**						
10.2 Hot Pit Refuel	b	B			**						
10.3 Vehicle Operations											

1.	2.				3.		4.				
TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	FORMAL TRAINING				CORE TASKS		OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
10.4 Aircraft Maintenance Safety	b	B			**						
10.4.1 Aircraft ground handling	b										
10.4.2 Aircraft ground servicing		B			**						
10.4.3 Aircraft maintenance		B			**						
10.4.4 Aircraft tire servicing		B			**						
10.4.5 Ground engine runs		B			**						
10.4.6 Munitions loading and unloading		B			**						
10.5 Airfield support		B			**						
10.5.1 Air cargo operations	b										
10.5.2 Passenger operations		B			**						
10.5.3 Airfield Criteria		B			**						
10.6 Life support		B			**						
11 SAFETY FUNCTIONS TR: AFI 91-202; AFMAN 91-201; AFP 91-211 Draft; TO's 00-25-172, 11A-1-33, 11A-1-46, Applicable Aircraft -33 TO's	b	B			**						
11.1 Weapons Safety	A		B								
11.1.1 Responsibilities		B			**						
11.1.2 Missile Systems		B	-		**						
11.1.3 Munitions		B			**						
11.1.4 Waiver		B			**						
11.1.5 Deviations		B			**						
11.1.6 Exemptions		B			**						
11.1.7 Licenses		B			**						
11.1.8 Integrated combat turnaround		B									
11.1.9 Explosive Site Plans		B									
11.2 Flight Safety Responsibilities	A	B	B								
11.3 Interrelationships between safety Disciplines	A	B	-								
12 MISHAP INVESTIGATING AND REPORTING TR: AFIs 31 series as required, 91-202, 91-204, 91-301; AFP 91-211Draft; TOs 00-5-1, 00-110N- 16, 00-35D-54; William Johnson; Modern Accident Investigation, An Executive Guide, Ted S. Ferry; Investigating Accidents with Step, Hendricks and Benner; Accident Reconstruction, Collins; DOE/SSDC Guides as required. OSHA Pub 2014; DOL Record keeping Guidelines for Occupational Injuries and Illnesses & MINA Handbook											
12.1 Responsibilities											
12.1.1 Control and release of mishap data	B		-								
12.1.2 Investigating officer and NCO		B			**						
12.1.3 Accountable organization		B			**						
12.2 Mishap Definitions and Classifications		B			**						
12.3 Investigation Methods	B	B	-		**						

1.  TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2.  FORMAL TRAINING				3.  CORE TASKS		4.  OJT/CERTIFICATION				
	a 3 LVL	b C D C	c 7 LVL	d EXPORT- ABLE COURSE	a 5 LVL	b 7 LVL	a START	b COMP	c TRAINEE	d TRAINER	e CERT
12.3.1 Pre-Investigation:											
12.3.1.1 Prepare for investigation	c		-								
12.3.1.2 Gather information		B			**						
12.3.2 Investigative Techniques		B			**						
12.3.3 Review information	2b	B	c		**						
12.3.3.1 Write Narrative	2b										
12.3.3.2 Identify findings & causes		B	-		**						
12.3.3.3 Cause Analysis		B	C		**	**					
12.3.3.4 Identify recommendations		B	C		**	**					
12.3.3.5 Identify corrective actions		B	-		**						
12.3.3.6 Review Report		B	-		**						
12.4 Prepare consolidated mishap reports (CMR)		-	3c		**	**					
12.5 Assemble formal reports	2b	-	-		**						
12.6 Post-Report Activities	b	B	3c		**						
12.7 USAF deficiency reporting systems	B	B	-		**						
13 COMPUTER BASED REPORTING TR: AFIs 91-202, 91-204, 91-301, 33- 10-6V4, 33-112	B 2b	- -	- -								
13.1 System operation											
13.2 Mishap reporting					**						
14 HUMAN FACTORS TR: Accident Prevention Manual for Industrial Operations (A & P); NSC Supervisors' Safety Manual	B	B	-		**						
15 CONTINGENCY RESPONSIBILITIES TR: AFM 10-100; AFOSH STD 91-216	A		B								
15.1 Expeditionary Aerospace Force (EAF) Principles		B				**					
15.2 Bare Base Planning		B				**					
15.3 Personal Protective Measures		B				**					
15.4 Force Protection		B				**					

## ***Section B - Course Objective List***

**4. Measurement.** Each objective is indicated as follows: **W** indicates task or subject knowledge which is measured using a written test, **PC** indicates required task performance which is measured with a performance progress check, and **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

**5. Standard.** The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained.

**6. Proficiency Level.** Most task performance is taught to the “2b” proficiency level which means the student can do most parts of the task, but does need assistance on the hardest part of the task (partially proficient). The student can also determine step by step procedures for doing the task.

## ***Section C - Support Material***

**NOTE:** Currently, no support material requirements exist. This area is reserved.

### ***Section D - Training Course Index***

7. **Purpose.** This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs.

#### **8. Air Force In-Residence Courses.**

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>USER</b>
L3ALR1S031 002	Safety Apprentice	Lackland AFB TX	ALL
L3ACR1S071 000	Safety Craftsman	Lackland AFB TX	ALL
L3AZR1S071 004	Flight Safety NCO	Lackland AFB TX	ALL
L3AZR2W071 001	Weapons Safety Management	Lackland AFB TX	ALL

#### **9. Air Force Institute for Advanced Distributed Learning.**

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>USER</b>
CDC 1S051	Safety Journeyman	Lackland AFB TX	ALL

#### **10. Exportable Courses.**

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>USER</b>
	Weapons Safety NCO CBT	Kirtland AFB, NM	ALL
	Operational Risk Management CBT	Kirtland AFB, NM	ALL
	Confined Space CBT	Tyndall AFB, FL	ALL

NEED COURSE NUMBERS FROM AMC

#### **11. Courses Under Development/Revision.**

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>USER</b>
L3ALR1S031 002	Safety Apprentice	Lackland AFB TX	ALL
L3ACR1S071 000	Safety Craftsman	Lackland AFB TX	ALL
CDC 1S051	Safety Journeyman	Lackland AFB TX	ALL

### ***Section E - MAJCOM Unique Requirements***

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>OWNER</b>
Y130005	ACC Ground Safety Program Mgmt	Dyess AFB TX	ACC
YPMEC ESA	Explosive Safety Advanced Course	McGhee Tyson, TN	ANG
YPMEC ESO	Explosive Safety Orientation	McGhee Tyson, TN	ANG
YPMEC GSO	Ground Safety Orientation	McGhee Tyson, TN	ANG

### ***Section F - Continuing Professional Development***

<b>COURSE TITLE/NUMBER</b>	<b>LOCATION</b>	<b>Suggested Source</b>
Fundamentals of Ergonomics	MTT	AFSC
Senior Safety Professional Development	AFSC	AFSC
Operational Risk Management	Various	AFSC
Mishap Investigation Non-Aviation (MINA)		AFSC
226 - Permit-Required Confined Space Entry		OTI
309 - Electrical Standards		OTI
121 - Introduction to Industrial Hygiene for Safety Personnel		OTI
201 - Hazardous Materials		OTI
601 - Occupational Safety & Health Course		

for Other Federal Agencies

101 - NFPA Life Safety Code

200 – Construction Standards

Playground Safety Course

Machine/Machinery Guarding

Deployment Safety

Control of Hazardous Energy

Fall Protection

Blueprint Reading

Vehicle Accident Investigation

Lightning Safety

Fire/Arson Investigation

Small Arms Training Ranges

501 - General Industry Standards

OSHA CFR 1903 - Inspections, Citations, Etc

Laboratory Safety

Hazard Communication

Walking and Working Surfaces

Material Handling

Welding

Record keeping

Personal Protective Equipment

Lock Out/Tag Out

Portable Tools

Office Safety

Environmental Safety Courses

OTI

NFPA

OTI

National Playground Safety

Institute

OTI

AFPAM 91-216

OTI

OTI

Micro-press.com

National Lightning Safety Institute

Army Safety Center

OTI & Environmental Training  
Resources

OTI

OTI

Safety Consulting & Training

OTI

Digital 2000

OTI

Coastal Training

Coastal Training

AFIT

## Section G - Career Development Plan

Phase	Skill Level	Desired Education & Self-Development	Mandatory/Desired Training	Typical Assignment
CFM	00-level	– Graduate Work	– Executive Seminars	HQ USAF
CEM	00-level	– Graduate Work	– Executive Seminars	MAJCOM/FOA/DRU
Super-	9-Level	– Bachelors Degree – Continued education in advanced studies – Appropriate PME	– Professional certification(s)	Assigned as manager at AFSC MAJCOM, or other headquarters, or large bases
Craftsman	7-Level	– Associates Degree – Continuing education in related studies – Appropriate PME	– *7-Level resident training – Specific technical safety in flight, ground, or weapons safety disciplines – Environmental Compliance – Assessment & Mgmt Program – OSHA Training Institute courses – Ground Safety Managers Course – Mishap Investigation Non-Aviation Course (MINA)	– Assignment at all levels as manager or craftsman – Full performance as a manager of a safety function (flight, ground or weapons)
Journeyman	5-Level	– Continuation training – Appropriate PME – College courses/Associate Degree	– *Career Development Course (CDC)1S051 – *OJT and Qualification Training – Discipline specific technical courses such as: OSHA Tng Institute courses	– Assigned at base level safety offices – Performs at the fully qualified Journeyman level – Begin management training – Lateral training in other functional disciplines
Apprentice	3-Level	Continuation training (Some college courses)	– *Apprentice Safety (L3ALR1S031) – *On-the-Job Training and job assignment to meet Specialty Training Standard skill levels	Base level

\* = Mandatory